

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Reed

Application No.: Unassigned

Filed: March 9, 2001

Title: System And Method For Maintaining  
Large-Grained Database Concurrency  
With A Log Monitor Incorporating  
Dynamically Redefinable Business  
Logic

Group Art Unit: Unassigned

Examiner: Unassigned

Attorney Docket No.: 007.0156.01

Assistant Commissioner for Patents  
Washington, D.C. 20231

**DRAWING TRANSMITTAL LETTER**

Sir:

Enclosed herewith please find:

- ( ) \_\_\_\_\_ sheets of redlined drawing(s) which indicate proposed changes to the drawing(s). Upon approval of these proposed changes, formal drawing(s) will be submitted.
- ( ) \_\_\_\_\_ sheets of corrected formal drawing(s), as required by the Notice of Patent Drawings Objection (PTO-948) which accompanied the Office Action dated \_\_\_\_\_.
- ( ) \_\_\_\_\_ sheets of corrected formal drawing(s), as required by the Notice of Patent Drawing(s) Objection (PTO-948) and approved in the Notice of Allowability dated \_\_\_\_\_.
- (X) 7 sheets of formal drawing(s).

Examiner's approval of the entry of these drawings is respectfully requested. No new matter has been added.

I hereby certify that this is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated below and is addressed to:

Commissioner for Patents  
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Date of Deposit: March 9, 2001

Typed Name: Patrick J.S. Inouye

Signature: \_\_\_\_\_

Respectfully Submitted,

By \_\_\_\_\_

Patrick J.S. Inouye, Esq.

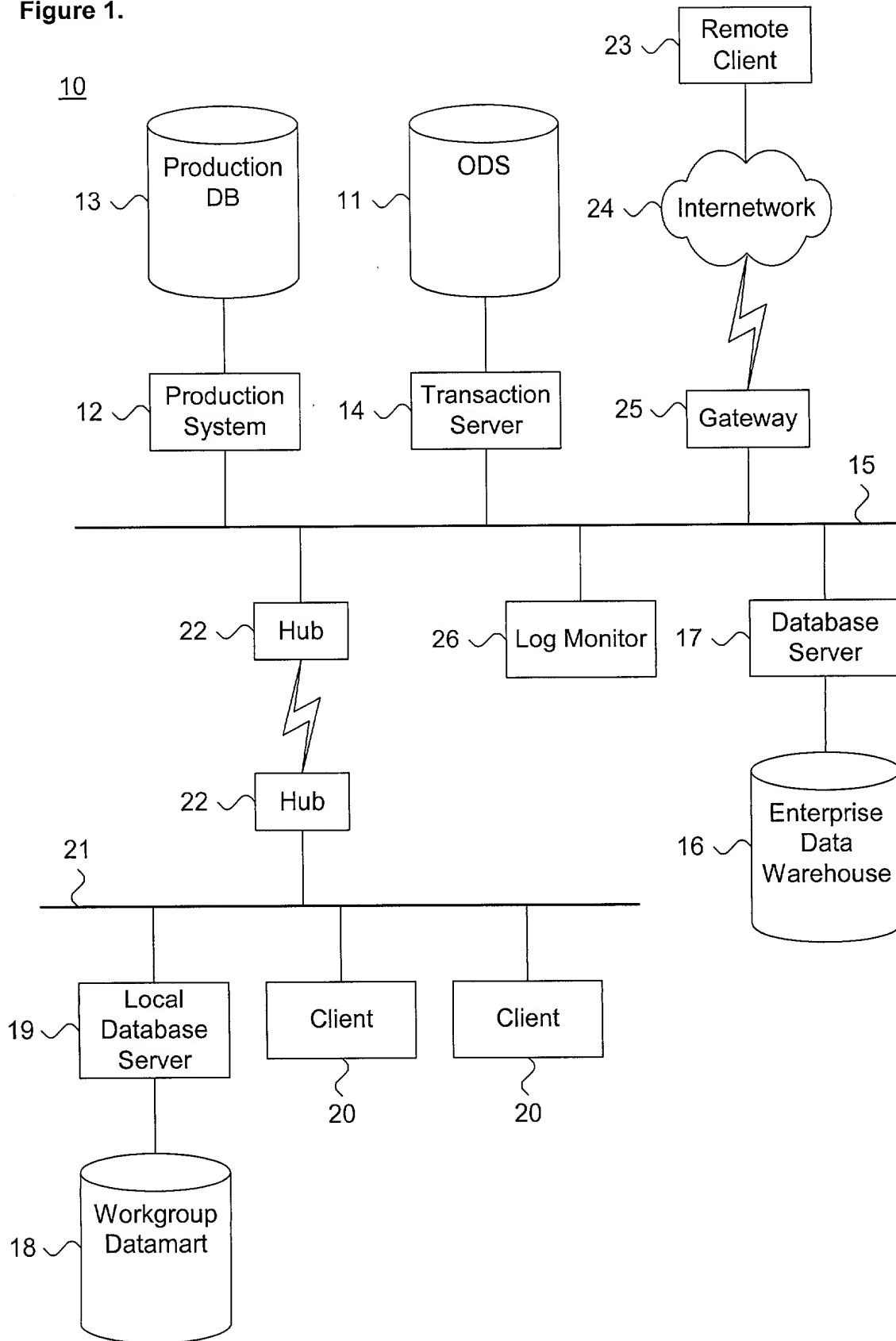
Attorney/Agent for Applicant(s)

Reg. No. 40297

Date: March 9, 2001

Telephone No.: (206) 381-3900

Figure 1.



**Figure 2  
(Prior Art).**

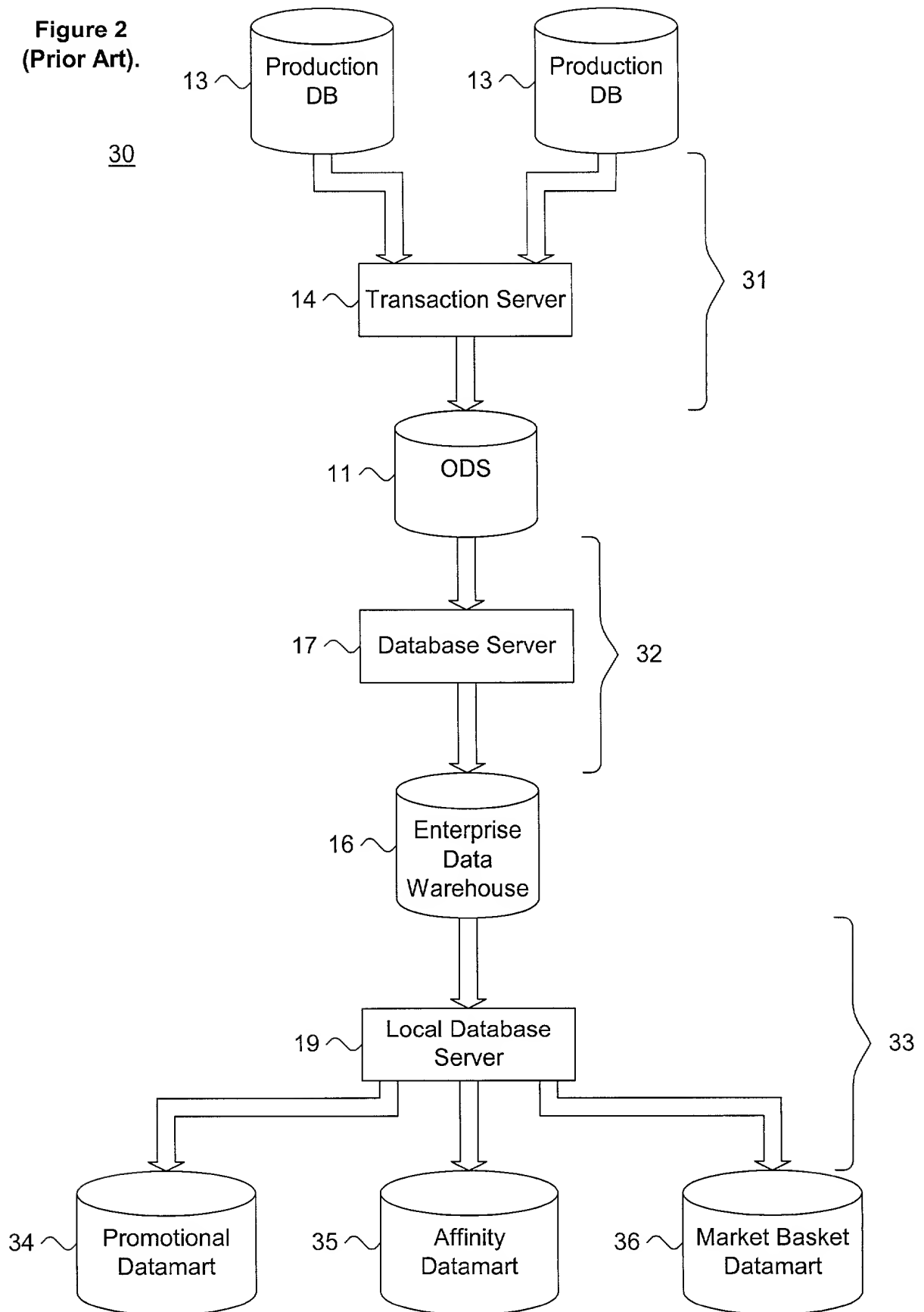


Figure 3.

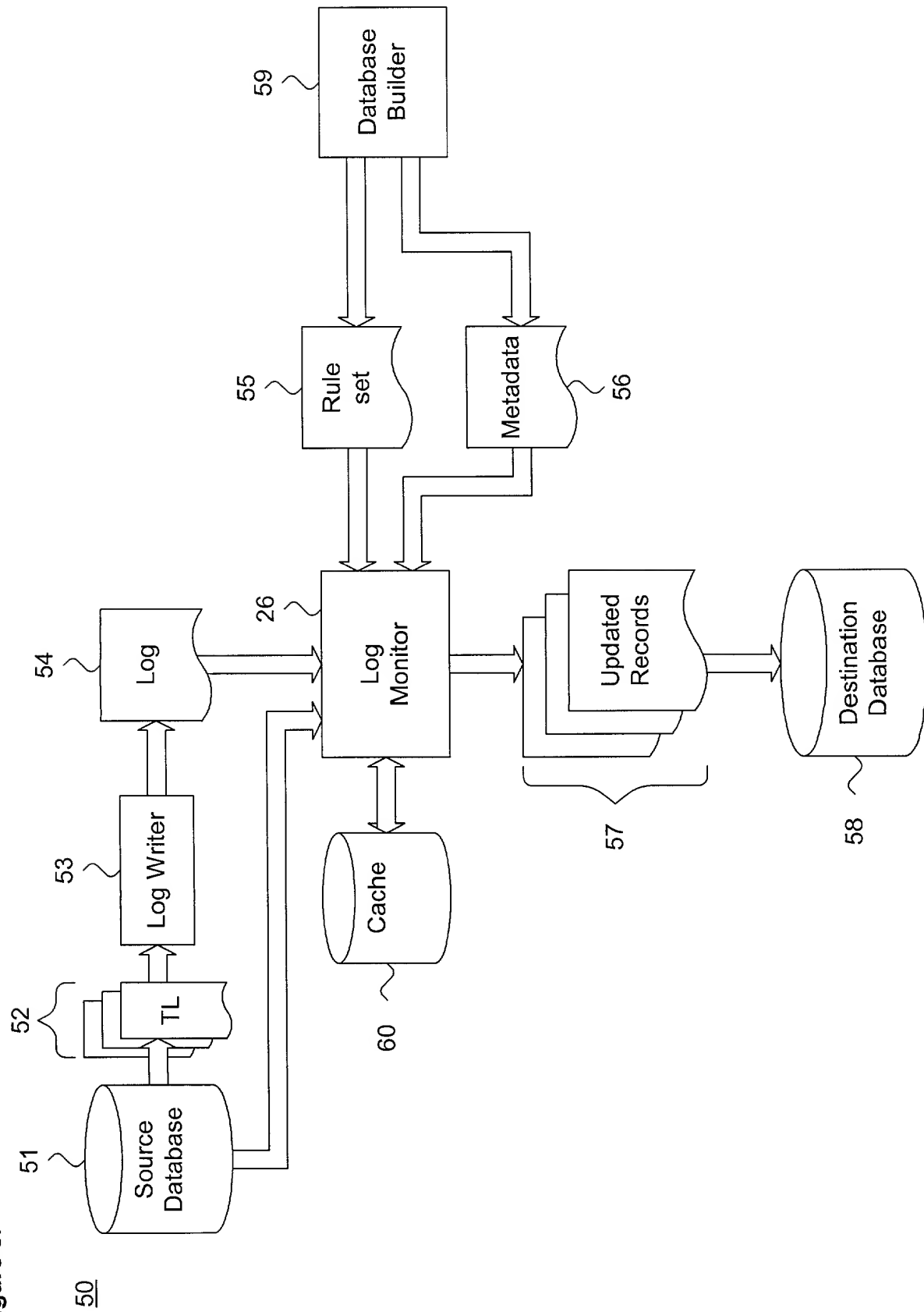


FIG. 4 is a block diagram of a record structure 70. The record structure 70 is divided into four fields: 71, 72, 73, and 74. Field 71 is labeled 'Timestamp'. Field 72 is labeled 'Table ID'. Field 73 is labeled 'Record ID'. Field 74 is labeled 'Operation Type'. Field 75 is labeled 'Undo Info'.

Figure 4.

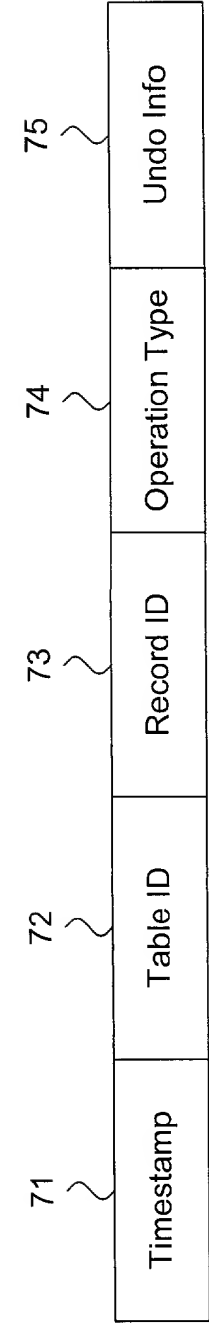


Figure 7.

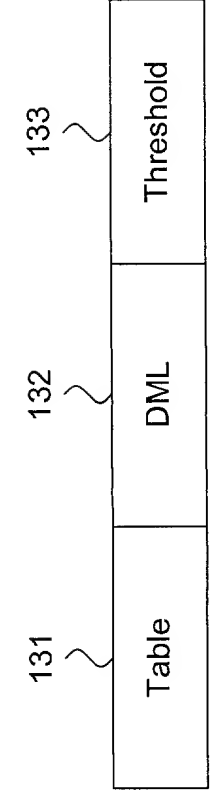


FIG. 5 is a block diagram of a system architecture for a database server. The system includes a Transaction Server (92) which is connected to a Database Server (96). The Transaction Server (92) is also connected to a Log Entry (93) and a Business Logic (94). The Log Entry (93) is connected to an Updated Record (95). The Business Logic (94) is connected to the Updated Record (95). The Updated Record (95) is connected to the Database Server (96). The Transaction Server (92) is also connected to a Committed Transaction (91). The Committed Transaction (91) is connected to the Transaction Server (92).

Figure 5.

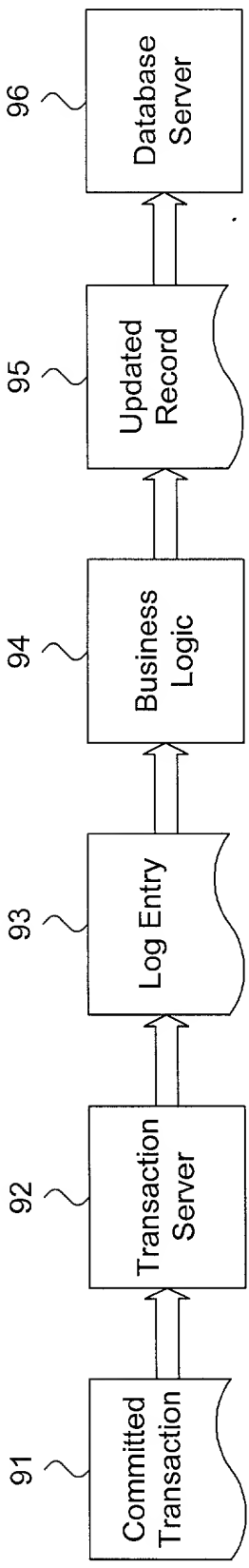


Figure 6.

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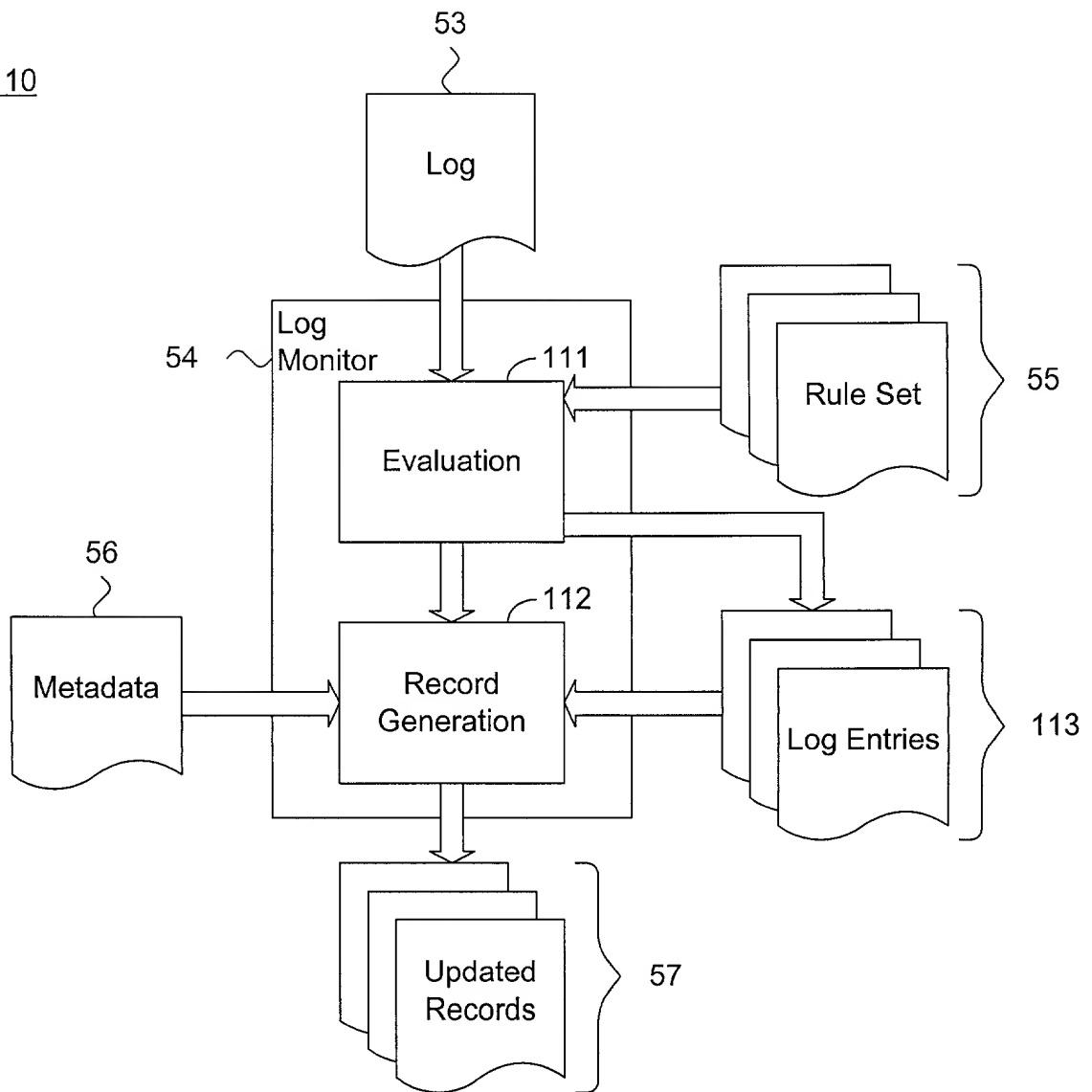


Figure 8.

